

# Pronto

# HORSCH

*Farming with passion*

*Universal seeding technology  
for all conditions*





**MICHAEL HORSCH:**

*"15 years ago, few farmers believed that precise seed placement is possible at a speed exceeding 10 km / h. Today, an increasing number of farmers trust the high precision seed placement of our Pronto."*



**PHILIPP HORSCH:**

*"A precision tool such as the TurboDisc coulter is subject to at least 1.500 hours of engineering and 10.000 hours of performance testing. Only such standards will ensure best performance for today's demands."*

**What are your requirements for the new seeding technology?**

- Precise seed placement – as even germination increases yield potential.
- High seeding speed – as perfect timing is essential.
- Tolerance for seed bed conditions – as flexibility saves money.

**How does the Pronto achieve such even germination?**

- The DiscSystem loosens, levels and produces fine soil.
- The packing system ensures deep consolidation and equal seeding conditions for all coulters. Several narrow, large-diameter tyres mounted on a rigid axle ensure a high level of even soil surface.
- The mounting of the TurboDisc coulters allows for vertical adjustment movement of up to 15 cm and ensures precise contour following. All seeds are placed exactly at the specified depth.
- 4 rubber elements / coulters release a pressure of up to 150 kg, sufficient to reliably keep them in the ground at high speed.
- The rubber wheel at the coulter-end ensures precise seed depth and proper seed-to-soil contact.



Even germination is the basis for high yields





Turbo Disc coulters  
Precise seed placement  
at high speed



Tyre packing system with  
optimised AS-thread  
Effective consolidation  
in front of every coulters



PPF fertilizer coulters  
Precise placement of fertilizer



DiscSystem  
Efficient seed-bed preparation  
in any condition





**JOHANN RESTER**

*"As a contractor, I spend a great deal of time on the road in between jobs. The separate transport wheels with a braking system improves the safety of road transport. In addition the Pronto AS can be combined with a corn precision planter, and the seed tank can be used for fertiliser. With its versatile combination options, I can make use of the Pronto all year round."*



# Pronto AS

**Technical concept:**

High capacity seed wagon with DiscSystem and three-point linkage that can be combined with different implements.

**Operating range:**

Precision planting with fertiliser placement, seeding in min-till, no-till conditions and after plough, strip-till with HORSCH Focus.

**Transport system:**

Separate transport system with own braking system. Used on the field to turn, as well as in combination with the Maestro or the Focus. In combination with the TurboDisc coulters, the same tyre size as with the Pronto DC is used.



Transport system Pronto AS  
Large tyres (800 / 40-26,5),  
low draft requirement and  
reduced soil pressure



Braking system Pronto AS  
Dual cycle air brake system,  
safer road transport



Three-point linkage  
Quick and simple exchange  
of implements



Pronto AS in combination  
with Maestro RC



## Pronto DC

### Technical concept:

Compact universal seed drill with low weight and large hopper capacity, maximises performance and seeding quality.

### Operating range:

High precision seeding in min-till, no-till conditions and after plough.

### Transport system:

Middle segment of packing system serves as transport system as well. In working position, one tyre always runs in front of two coulters, across the entire operational width.

### PETER SCHMID

*"During the seeding season our Pronto 8 DC is operating around the clock for several weeks. The seeder copes with well under these circumstances. High speed seeding, minimum time to fill up and low maintenance time allows us an output of up to 200 hectares per day."*



Pronto 4 DC rigid

Pronto 8 DC with PPF System

Pronto 9 DC





## Pronto KE

### Technical concept:

- Universal range of use after plough and for mulch sowing even on extremely heavy soils
- Intensive cultivation with a p.t.o.-driven rotary cultivator that drags itself into the soil and constantly maintains the adjusted working depth.
- Effective consolidation in front of every seed coulters due to a Simplex roller that straightens out any soil unevenness.
- Precise seed placement due to TurboDisc double disc coulters.
- Large-capacity seed waggon with a volume of 4000 l guarantees high efficiency. It bears the complete weight of the rotary harrow-Pronto-combination. No pressure on the tractor.



**Rotary cultivator with levelling bar**  
Drags itself into the soil and constantly maintains the adjusted working depth.



**Simplex roller**  
The Simplex roller crushes large chunks and removes any soil unevenness.



**Seed waggon SW 4000 P**  
The seed waggon has a capacity of 4000 l.



**Tyres**  
Optional: eightfold tyres for the complete working width of 6 m.





## Pronto KR

### Technical concept:

- Universal range of use after plough and for mulch sowing even on extremely heavy soils.
- Seed unit and seed waggon are a self contained unit. Thus, the machine is very compact and, due to the missing axle of the seed waggon, much weight is transferred to the rear axle of the tractor. Thus, it is possible for the first time to pull a 6 m wide seed drill with rotary harrow with low horse power requirement and low slippage.
- Intensive cultivation due to p.t.o.-driven rotary harrow.
- Effective consolidation in front of the seed coulters is made by a steel roller, the Cracker packer.
- Precise seed placement due to TurboDisc double disc coulters.



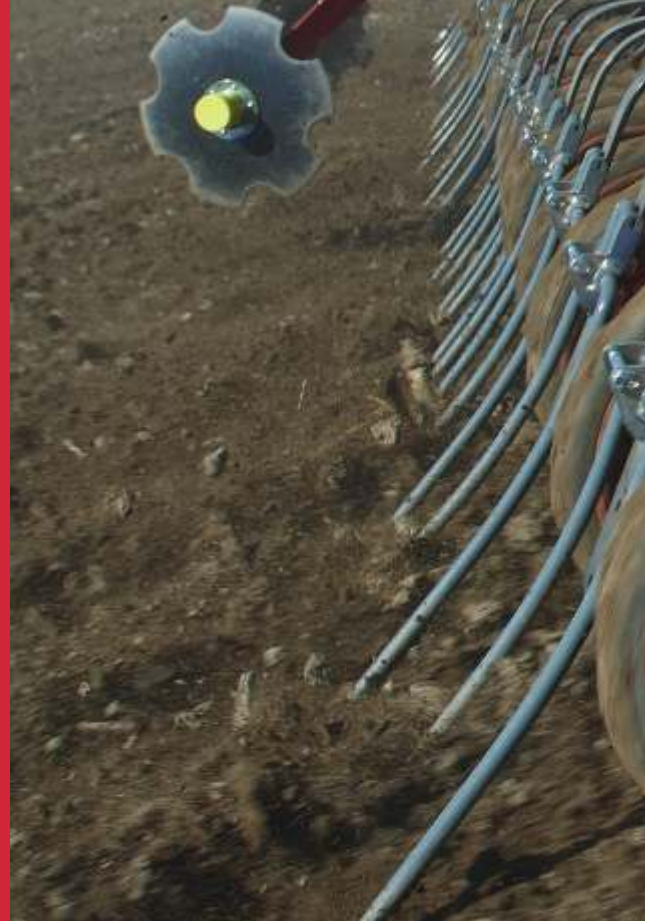
**Efficient sowing**  
The hopper of the Pronto KR has a capacity of 2800 l

**Rotary harrow**  
Drags itself into the soil and constantly maintains the adjusted working depth.

3 m segments of the rotary harrow are oscillatingly suspended for an optimum soil adjustment.



# DiscSystem Tyre packing system TurboDisc



**Serrated Discs**  
Better penetration  
in hard soils



**Mounting of discs in pairs**  
Increased clearance for  
better performance



**Adjustable side plates**  
Ensures even levelling  
between passes



**Shock absorbed mounting**  
Good contour-following  
capability and overload  
protection



**Easy working depth adjustment**  
Hydraulic adjustability  
during operation



**Maintenance-free bearings**  
Long operation times  
with little wear and tear



**PU tyre filling**  
Increased stability and  
gentle to the soil



**Effective tyre packing system**  
Optimised AS thread  
for even consolidation



**Large tyre diameter (780 mm)**  
Reduces draft requirement

## DiscSystem – perfect seed bed preparation in all conditions

- Effective crumbling and even levelling across entire operational width
- High clearance increases operational options and reliability
- Better performance at increased speed
- Hydraulic depth control, adjustable during operation

## Tyre packing system with AS thread – robust, effective and easy to pull

- Effective, even levelling and consolidation in front of each coulter. A straight tyre thread increases consolidation at the tyre edges.
- Middle section of packing system is used as transport system (Pronto DC)
- Effective consolidation below the seeds for better capillarity towards the seeds
- Large diameter of tyres reduces the draft requirements





**Turbo Disc – the premium coupler**  
**Seed placement in perfection**

- The good contour-following capabilities of the coupler (15 cm) with integrated press-wheel ensures a precise and even depth control of the coupler
- The high individual coupler pressure of up to 150 kg and the integrated shock absorber keeps the coulters in the soil at high speed beyond 12 km / h
- The low seed pipe in combination with the Uniformer supports the precise placement of the seeds into the seedbed
- The precision harrow covers all seed rows evenly with soil
- High quality and maintenance-free components ensure long operating times as well as reliable high quality



**Double disc coupler**  
 Straight discs with inner maintenance-free bearings

**Uniformer and scraper**  
 Secure seed placement in wet conditions

**Effective coupler shock absorption**  
 Maintenance-free, minimum wear and tear mounting



**Flexible pressure wheels**  
 Depth control and pressing at various widths

**PowerDisc seed coupler**  
 for extremely heavy soils with individual coupler pressure of 150 kg

**PowerDisc –**  
**for extreme cases**

- The PowerDisc seed coupler is the first choice for the few cases where the TurboDisc coupler has its limits. On extremely heavy soils it guarantees absolutely exact sowing.



# DrillManager PPF fertiliser system



**Compact metering unit**  
Precise metering with electric motor



**Smooth and precise seed-rollers**  
Easy to exchange seed-rollers for different seeds and seed rates



**Radar sensor**  
Electronic speed sensor without wheelspin



**Reliable tram line system**  
with automatic seed rate adjustment



**Robust control sensors**  
for seed and fertiliser



**Simple calibration**  
Quick and precise calibration of DrillManager

## DrillManager and metering unit – here all systems come together

- Simple handling
- Individual programming of all processes
- Precise metering with optimised seed-rollers
- Constant control and adjustability
- Large and clear display



DrillManager





**PPF System – economical and precise placement of fertiliser**

- Precise placement of nutrients close to the plant
- Quick and sustainable effect of fertiliser
- High efficiency of fertiliser
- High stability of fertiliser
- Works also with large quantities of fertilizer
- High economic viability of fertiliser usage



**PPF fertiliser coulters**  
Maintenance-free double disc coulters with high coulters pressure (200 kg)

**Variable depth adjustment**  
Fertiliser placement between two seed rows, in the centre line of the tyre



**Large double tank**  
Up to 7000 l capacity, 40 / 60 seed / fertiliser

**Two identical metering units**  
Precise metering of seeds and fertiliser



# Features



Single tank



Dual tank



Cracker packer



Hydraulic filling auger



PU tyre filling



Intermediate packing system



Front packing system



Dual wheels



Track eradicators



Hydraulic CrossBoard



Levelling harrow



Drawbar extension



Half-width shut-off of Pronto AS



Half-width shut-off of Pronto DC



Hydraulic fan



PTO driven pump





Tank discharge opening



Tool box



Digital scale



Brake system of the Pronto DC



Braking system Pronto AS



Lights



Transport-locking system



Marker



Draw-bar coupling



Two-point linkage



Scharmüller coupling



Pre-emergence marker



Tramline system



TurboDisc coultter



Hydraulic coultter pressure adjustment



Precision harrow



# Technical specifications

HORSCH Pronto	3 DC	4 DC	4 DC rigid	6 DC	7 DC
Working width (m)	3,00	4,00	4,00	6,00	7,50
Transport width (m)	3,00	3,00	4,00	3,00	3,00
Transport height (m)	2,95	2,95	2,95	3,60	3,60
Length (m)	6,40	6,90	6,80	8,20	8,30
Weight w/out/with PPF system (kg)	3.250/4.100	4.600/5.350	4.200/4.900	6.500/7.450	8.700
Seed hopper capacity	2.800/3.500	2.800/3.500	2.800/3.500	3.500	4.000
Double hopper capacity (l)	3.800 (40:60)	3.800 (40:60)	3.800 (40:60)	5.000 (40:60)	---
Dimension of feed opening (m)	1,00x2,40 single hopper 0,60x0,90 double hopper	1,00x2,40 single hopper 0,60x0,90 double hopper	1,00x2,40 single hopper 0,60x0,90 double hopper	1,00x2,40 single hopper 0,66x2,45 double hopper	1,00x2,40 single hopper
Fill. height w/out/with extension (m)	2,35/2,65	2,35/2,65	2,35/2,65	2,65/---	3,10
Fill. height double hopper (m)	2,90	2,90	2,90	2,95	---
Number of PPF coulters	10	14	14	20	---
PPF coulters pressure (kg)	up to max. 200	up to max. 200	up to max. 200	up to max. 200	---
Number of seed coulters	20	28	28	40	52
Seed coulters pressure (kg)	5-120	5-120	5-120	5-120	5-120
Seed coulters/press wheels Ø (cm)	34/32	34/32	34/32	34/32	34/32
Row spacing (cm)	15	14,3	14,3	15	14,40
Tyre packer size	7.50-16 AS	7.50-16 AS	7.50-16 AS	7.50-16 AS	7.50-16 AS
Tyre packer Ø (cm)	78	78	78	78	78
Operating speed (km/h)	10-20	10-20	10-20	10-20	10-20
Power demand (KW/PS)	80-110/110-150	95-130/130-180	95-130/130-180	120-185/160-250	146-205/200-280
Double-acting control devices	3*	3*	3*	3*	2**
Depress. return line (max. 5 bar)	1	1	1	1	1
Oil quantity hydr. fan (l/min)	20-25 single hopper 35-45 double hopper	20-25 single hopper 35-45 double hopper	20-25 single hopper 35-45 double hopper	20-25 single hopper 35-45 double hopper	35-45 single hopper
DrillManager	standard	standard	standard	standard	standard
Road lighting	standard	standard	standard	standard	standard

\*(each +1 for filling auger, coulters pressure adjustment, crossboard)

\*\* (each +1 for filling auger, front packer)





HORSCH Pronto	8 DC	8 DC PPF	9 DC	12 DC	6 AS
Working width (m)	8,00	8,00	9,00	12,00	6,00
Transport width (m)	3,00	3,00	3,00	5,30/5,50*	2,95
Transport height (m)	3,70	3,70	4,00	4,90/3,60*	4,00
Length (m)	8,25	9,70	8,50	7,70/16,00*	9,90 (incl. bout markers) 9,50 (up to end of coulters)
Weight w/out/with PPF system (kg)	8.750	12.900	9.430	17.400/22.600*	7.850/8.800
Seed hopper capacity	4.000	---	4.000	---	3.500
Double hopper capacity (l)	---	7.100 (60:40)	---	17.000 (50:50)	5.000 (40:60)
Dimension of feed opening (m)	1,00x2,40 single hopper	0,65x1,70 double hopper	1,00x2,40 single hopper	0,99x0,72 double hopper	1,00 x 2,40 single hopper 0,66x2,45 double hopper
Filling height (m)	3,10	---	3,10	---	2,70
Fill. height double hopper (m)	---	3,20	---	3,55	2,95
Number of PPF coulters	---	26	---	40	20
PPF coulters pressure (kg)	---	up to max. 200	---	up to max. 200	up to max. 200
Number of coulters	52	52	60	80	40
Coulters pressure (kg)	5-120	5-120	5-120	5-120	5-120
Seed coulters/press wheels Ø (cm)	34/32	34/32	34/32	34/32	34/32
Row spacing (cm)	14,40	15,40	15	15	15
Tyre packer size	7.50-16 AS	7.50-16 AS	7.50-16 AS	7.50-16 AS	7.50-16 AS
Tyre packer Ø (cm)	78	78	78	78	78
Operating speed (km/h)	10-20	10-20	10-20	10-20	10-20
Power demand (KW/PS)	145-205/200-280	205-260/280-350	175-240/240-330	330-440/450-600	130-185/180-250
Double-acting control devices	2**	4 (+1 DiscSyst.)	2**	2	3***
Depress. return line (max. 5 bar)	1	1	1	1	1
Oil quantity hydr. fan (l/min)	35-45 single hopper	35-45 double hopper	70-90 single hopper	90 double hopper SW 17.000 SD	20-25 single hopper 35-45 double hopper/hydr. drive Maestro RC
DrillManager	standard	standard	standard	standard	standard
Road lighting	standard	standard	standard	standard	standard
Brake system	---	---	---	---	optional

\*SW 17.000 SD

\*\* (each +1 for filling auger, front packer)

\*\*\* (each +1 for filling auger, coulters pressure adjustment, crossboard)





Your distributor:

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